

## GUIDANCE DOCUMENT

## SEC III—IL—TECHNICAL GUIDE Guidance Documents—Cropland

**Identified problems:** Sheet and rill erosion is at 10 tons/acre. There is ephemeral gully erosion. There is excess wetness causing ponding. Poor tilth and compaction is present. Surface water has a turbidity problem. Pesticides contaminate surface water.

### **Resource Setting**

CRA-E-MLRA-113

**Soils:** Hoyleton 3B

**Land use:** Cropland, corn-soybeans, or corn-soybeans-wheat (double cropped soybeans)

**Applied practices:** Surface ditches

**Tillage operations:** 20% residue using chisel-disc system

RESOURCE CONCERNS	SOIL				WATER		
	Erosion		Condition		Quality	Surface	
	Sheet & Rill	Ephemeral Gully Erosion	Tilth	Compaction	Runoff/Ponding	Pesticides	Suspended Sediments & Turbidity
<b>RMS Practices</b>							
<b>Alt. #1</b>							
328 Conservation Crop Rotation	0	0	0	SI+	0	0	0
329 Residue Management (Soybeans - No Till) (Corn - Mulch Till)	Mod+	SI+	SI+	SI+	SI-	SI+	SI+
412 Grassed Waterway	0	Sig+	0	0	0	SI+	SI+
595 Pest Management	0	0	0	0	0	0	Mod+
607 Surface Drainage, Field Ditch	0	0	0	0	Mod+	0	0